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Derwent Title: Obtaining gas mixts. for intermittent normobaric hypoxia - includes passage of initial compressed air through fibre membrane element and passage of resulting humidified air to mask of patient

Original Title: ☒ [RU2004261C1](#): METHOD AND APPARATUS FOR OBTAINING GASEOUS MIXTURE FOR INTERMITTENT NORMOBARIC HYPOXIA

Assignee: MURASHOV M V Individual

Inventor: MURASHOV M V;

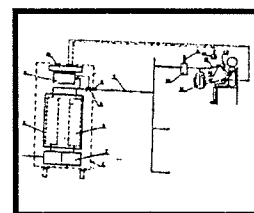
Accession/ 1994-115953 / 199626

Update:

IPC Code: A61M 16/00 ;

Derwent Classes: A88; B06; J01; P34;

Manual Codes: A12-S05A(Non-circular, hollow, tapered fibres) , A12-V03B (Respirators; oxygenating devices; blood handling apparatus and devices; birth control devices) , A12-W11A(Reverse osmosis; semi-permeable membranes) , B05-C08(Other common non-metals, compounds) , B14-K01(Respiratory active general and other) , J01-C03(Semi-permeable membrane separation processes) , J01-E03E(Gas separation using semi-permeable membrane)



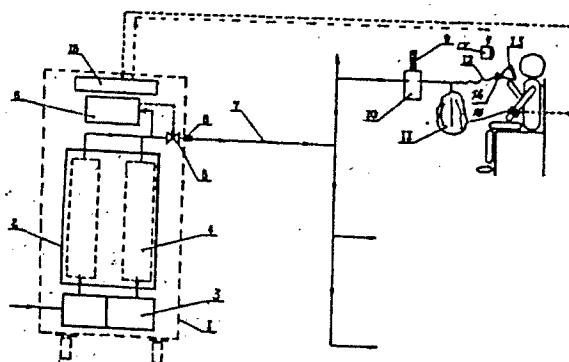
Derwent Abstract: (RU2004261C) Obtaining a gas mixt. for intermittent normobaric hypoxia includes compression of initial air and passage of air through flowmeter and humidifier to patient. The initial air is compressed to a determined pressure and the membrane element is in the form of hollow polymer fibres with a 2:10 ratio of dia. to wall thickness. The humidified mixt. is passed through a receiver, flexible pipe and mask with a breathing valve.

USE/Advantage - Used for treatment of patients by intermittent normobaric hypoxia. Stable compsn. of hypoxia mixt.

Initial air passes into a body (1) and to a gas-sepn. unit (2) through a compressor (3) and also to a membrane element (4) of hollow polymer fibres. The oxygen content of the mixt. from the element (4) is regulated by a regulator (5) and the mixt. passes to a gas analyser (6), with some gas passing through a pipeline (7) and a flowmeter (9) to a humidifier (10) and then to a receiver (11).

The gas mixt. is then passed to the mask (13) of a patient with a breathing valve (14). The procedure of intermittent normobaric hypoxia is controlled by a programmer (15), having a connection to a patient pulsemeter (16) and a monitor (17). The hypoxic gas mixt. from the element (14) is regulated to an oxygen content of 10% and nitrogen content of 90%.

Images:



Dwg.1/1

Family: PDF Patent Pub. Date Derwent Update Pages Language IPC Code
☒ **RU2004261C1** * 1993-12-15 199414 5 English A61M 16/00
 Local apps.: SU1991005005743 Filed:1991-09-25 (91SU-5005743)

Priority Number:

Application Number	Filed	Original Title
SU1991005005743	1991-09-25	

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N1994-090792	N		
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Title Terms:

OBTAIN GAS MIXTURE INTERMITTENT HYPOXIA PASSAGE INITIAL
 COMPRESS AIR THROUGH FIBRE MEMBRANE ELEMENT PASSAGE RESULT
 HUMIDIFY AIR MASK PATIENT

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